Abstract of the Disclosure

A system is provided for improving data transmission to computers
and computerized appliances connected directly or indirectly to the Internet or
other wide area data network. In this system software at a proxy server uses
prestored characteristics of client devices to translate data from Internet
sources into a reduced-content form adapted specifically to the client device.
Unique functionality for the system includes templates provided for
specifying WEB page to client translation, and special scripts for prefetching
pages in real-time. Systems are provided for many sorts of client devices and
hosted devices.